XP-002223349

AN - 1984-315317 [25]
AP - JP19830071923 19830422
CPY - OSTO
DC - M27 P53
FS - CPI;GMPI
IC - B22D1/00 ; C21C1/10 ; C22C37/10 ; C22C38/08
MC - M27-A01 M27-A03
PA - (OSTO ) OSAKA TOKUSHU GOKIN KK
PN - JP59197345 A 19841108 DW198451 005pp
PR - JP19830071923 19830422
XA - C1984-134489
XIC - B22D-001/00 ; C21C-001/10 ; C22C-037/10 ; C22C-038/08
XP - N1984-235174
AB - J59197345 Molten ferrosilicon alloy consisting of rare earth metal 3-40%, Si 20-80% and the balance Fe is cast into a block, placed in a recess provided within a sand mould for the cast iron. Molten grey cast iron is poured into the sand mould for contact reaction with the REM ferrosilicon block. The REM ferrosilicon alloy has impurities of Al, Ca, Ba, Mg and Sr up to 6% in total, Ti, Pb, Zn and Zr up to 5% in total and Ni, Cr, Cu, Sn, Sb, Mn, B, V and other elements fo imparting strong toughness by less than 15% in total.
- ADVANTAGE - Inoculation effect of Si and graphite reformation effect of REM function simultaneously in short time of 15-40 sec. to provide sound cast iron free of carbide.
IW - MANUFACTURE VERMICULAR GRAPHITE CAST IRON FERROSILICON CONTAIN PREDETERMINED AMOUNT RARE EARTH ELEMENT
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NC - 001
OPD - 1983-04-22
ORD - 1984-11-08
PAW - (OSTO ) OSAKA TOKUSHU GOKIN KK
TI - Mfg. vermicular graphite cast iron - involves use of ferrosilicon contg. predetermined amt. of rare earth elements